



Please use a plus sign (+) inside this box →



PTO/SB/08A (08-00)

Approved for use through 10/31/2002. OMB 0651-0031  
U.S. Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Substitute for form 1449A/PTO

## INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(use as many sheets as necessary)

Sheet

1

of

21

### Complete if Known

Application Number	10/620,812
Filing Date	July 17, 2003
First Named Inventor	Joachim BUENGER et al.
Group Art Unit	1616
Examiner Name	Marina LAMM
Attorney Docket Number	MERCK-2206-P01

### U.S. PATENT DOCUMENTS

Examiner Initials *	Cite No.¹	U.S. Patent Document		Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY
		Number	Kind Code² (if known)		
uu	1	2,649,397		Ballard	08-18-1953
	2	5,047,409		Di Schiena et al.	09-10-1991
	3	5,403,845		Dunbar et al.	04-04-1995
	4	4,346,105		Sallmann et al.	08-24-1982
	5	5,204,099		Barbier et al.	04-20-1993
	6	5,738,858		A. Burger	04-14-1998
	7	5,827,508		Tanner et al.	10-1998
	8	6,403,112		Motitschke et al.	06-11-2002
	9	5,789,414		Lapidot et al.	08-04-1998
	10	5,972,718		Moghaddam et al.	10-26-1999
	11	6,267,973		Motitschke et al.	07-31-2001
	12	6,551,971		Cobbley et al.	04-22-2003
	13	6,638,543		Kang et al.	10-28-2003
	14	6,153,176		Kaleta et al.	11-28-2000
	15	6,060,071		Motitschke et al.	05-09-2000
	16	4,529,587		Green et al.	07-16-1985
	17	6,057,282		Desai et al.	05-02-2000
	18	5,780,042		Gers-Barlag et al.	07-14-1998
	19	2003/0157040		Bunger et al.	08-21-2003
	20	6,602,514		Bunger et al.	08-05-2003
	21	2003/0114358		Galinski et al.	06-19-2003
	22	2004/0043940		Bunger et al.	03-04-2004
uu	23	<del>08/355,275</del>			
	24	<del>08/746,253</del>			
	25	<del>09/834,076</del>			
	26	<del>08/953,888</del>			
	27	<del>08/425,285</del>			
	28	<del>09/744,766</del>			
	29	<del>10/355,149</del>			
	30	<del>09/744,945</del>			
	31	<del>10/620,812</del>			
	32	<del>09/744,767</del>			
	33	<del>10/239,394</del>			
	34	<del>10/239,673</del>			
	35	<del>10/363,469</del>			
	36	<del>10/363,789</del>			

no copy  
of this  
inventor's  
have  
not made  
with P.1.98

3/30/06

Please type a plus sign (+) inside this box → +

PTO/SB/08A (08-00)

Approved for use through 10/31/2002. OMB 0651-0031  
U.S. Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number

Substitute for form 1449A/PTO  <b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b>  (use as many sheets as necessary)	<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <th colspan="2" style="text-align: center;">Complete if Known</th> </tr> <tr> <td style="width: 50%;">Application Number</td> <td>10/620,812</td> </tr> <tr> <td>Filing Date</td> <td>July 17, 2003</td> </tr> <tr> <td>First Named Inventor</td> <td>Joachim BUENGER et al.</td> </tr> <tr> <td>Group Art Unit</td> <td>1616</td> </tr> <tr> <td>Examiner Name</td> <td>Marina LAMM</td> </tr> <tr> <td>Attorney Docket Number</td> <td>MERCK-2206-P01</td> </tr> </table>	Complete if Known		Application Number	10/620,812	Filing Date	July 17, 2003	First Named Inventor	Joachim BUENGER et al.	Group Art Unit	1616	Examiner Name	Marina LAMM	Attorney Docket Number	MERCK-2206-P01
Complete if Known															
Application Number	10/620,812														
Filing Date	July 17, 2003														
First Named Inventor	Joachim BUENGER et al.														
Group Art Unit	1616														
Examiner Name	Marina LAMM														
Attorney Docket Number	MERCK-2206-P01														

NON PATENT LITERATURE DOCUMENTS			
Examiner Initials *	Cite No. <sup>1</sup>	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T <sup>2</sup>
uu	75	Galinski et al., "1,4,5,6-Tetrahydro-2-methyl-4-pyrimidinecarboxylic Acid," <i>Eur. J. Biochem.</i> 149:135-39 (1985).	
	76	Idson, B., "Dry Skin Moisturizing and Emolliency," <i>Cosmetics &amp; Toiletries</i> 107:69-78 (1992)	
	77	Severin et al., "The Predominant Role of Recently Discovered Tetrahydropyrimidines For The Osmoadaptation of Halophilic Eubacteria," <i>Journal of General Microbiology</i> 138:1629-38 (1992).	
	78	J. Bunger : PARfumerie und kosmetik, vol. 79, no. 11, november 1998 pp. 32-35	
	79	KREZEL, I., "Antitumor activity of new derivatives of 1,3-diazaheterocycles," <i>Pharmazie</i> , vol. 53, no. 9, pp. 614-617, 1998.	
	60	ADAMS J.L. et al., "cis-4-Carboxy-6-(mercaptomethyl)-3,4,5,6-tetrahydropyrimidin-2(1H)-one, a potent inhibitor of mammalian dihydroorotase," <i>J. Med. Chem.</i> , vol. 31, no. 7, pp. 1355-1359, 1988.	
	61	DOI, MASAKO ET AL., "Cosmetic compositions containing plant extracts having moisture-retaining effects," Ichimaru Pharcos Inc., Japan, Japanese patent no. 2000053557, abstract.	
	62	SODERLING, EVA ET AL., "Betaine-containing toothpaste relieves subjective symptoms of dry mouth," Sandinavian University Press, 1998, pages 65-69, vol. 56, vol. 2.	
uu	63	RonaCare™ The Cell Protection Factor, Merck KgaA, Darmstadt, Germany, Ingredients for Cosmetics, <i>August 2000.</i>	

Examiner Signature	Date Considered <span style="font-size: 1.2em;">3/30/06</span>
--------------------	--

\* EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.


<sup>1</sup> Unique citation designation number. <sup>2</sup> Applicant is to place a check mark here if English language Translation is attached.

Burden Hour Statement: This form is estimated to take 2.0 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, U.S.

37	5,665,366	A. Rawlings et al.	09-09-1997
----	-----------	--------------------	------------

FOREIGN PATENT DOCUMENTS								
Examiner Initials*	Cite No. <sup>1</sup>	Foreign Patent Document			Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T*
		Office <sup>2</sup>	Number <sup>4</sup>	Kind Code <sup>3</sup> (if known)				
	38	JP	2104577			1990		8
	39	JP	3086867			11-01-91		8
	40	JP	3031265			12-02-91		8
	41	WO	94/15923			07-21-94		
	42	EP	0 553 884			08-04-93		9
	43	EP	0 888 542			09-14-83		10
	44	DE	2 154 948			05-10-73		11
	45	DE	2 132 079			01-11-73		8
	46	WO	0,617,690			06-1996		12
	47	WO	98-13020		Unilever PLC	04-02-1998		13
	48	EP	0 275 719		Charles of The Ritz Group LTD	07-27-1988		14
	49	DE	4244580		Galinski et al.	07-1994		
hu	50	EP	0 671 161		Motitschke et al.	09-1995		15
hu	51	DE	4342560			06-22-1995		8
	52	DE	2746650			04-26-1979		16
	53	DE	2614723			04-26-1979		56
	54	GB	2114886			09-11-1983		
	55	EP	647469			04-12-1995		17
	56	DE	19933466			01-13-2000		
	57	DE	19933463			01-13-2000		
	58	DE	19933464			01-13-2000		
	59	DE	19933461			01-13-2000		
	60	DE	19933460			01-13-2000		
	61	WO	94 04128			03-03-1994		18
	62	DE	19834816			02-03-2000		19
	63	DE	199 11 775			02-03-2000		20
	64	DE	198 34 818			02-03-2000		
	65	EP	0915167			05-12-1999		
	66	WO	0007558			02-17-2000		19
	67	JP	9143167			06-03-1997		
	68	WO	0158446			08-16-2001		21
	69	WO	0172263			10-04-2001		22
	70	DE	10006578			08-23-2001		
	71	WO	0076528			12-21-2000		
	72	GB	1513659			06-07-1978		
	73	WO	0207622					
	74	WO	0302146					

no copies

Examiner Signature		Date Considered	3/30/06
--------------------	---	-----------------	---------

\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

<sup>1</sup> Unique citation designation number. <sup>2</sup> See attached Kinds of U.S. Patent Documents. <sup>3</sup> Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). <sup>4</sup> For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. <sup>5</sup> Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. <sup>6</sup> Applicant is to place a check mark here if English language Translation is attached. Number refers to English language corresponding family member.